

INTERNATIONAL SEARCH REPORT

National Application No

I/GB2004/003184

A. CLASSIFICATION OF SUBJECT MATTER							
IPC 7	C07D239/48	C07D417/12	C07D401/12	C07D239/46	C07D233/88		
	C07D409/04	C07D263/48	C07D413/10	C07D249/14	A61K31/505		
	A61K31/506	A61K31/4168	A61K31/4178	A61K31/421	A61K31/4439		

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K A61P C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BEILSTEIN Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WATANABE H ET AL: "Design of new antidepressant, 4-anilinopyrimidine" CHEMICAL AND PHARMACEUTICAL BULLETIN, vol. 35, no. 4, 1987, pages 1452-1459, XP001019216 the whole document, particularly compounds 64 and 66</p> <p>-----</p> <p>-/-</p>	1-6, 11-16, 20-26

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
30 September 2004	21/10/2004
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl Fax: (+31-70) 340-3016	Allard, M

INTERNATIONAL SEARCH REPORT

National Application No

/GB2004/003184

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>RAHMAN A A ET AL: "Conformationally-restricted analogues and partition coefficients of the 5-HT3 serotonin receptor ligands meta-chlorophenylbiguanide (mCPBG) and meta-chlorophenylguanidine (mCPG)" BIOORGANIC AND MEDICINAL CHEMISTRY LETTERS, vol. 13, no. 6, 24 March 2003 (2003-03-24), pages 1119-1123, XP002298657 the whole document, particularly compound 8</p> <p>-----</p>	1-4, 6, 10-14, 16, 20-24, 26
X	<p>WO 02/092576 A (BOEHRINGER INGELHEIM PHARMACEUTICALS, INC.) 21 November 2002 (2002-11-21)</p> <p>the whole document, particularly claims 1-4 and 7-9</p> <p>-----</p>	1-5, 7, 8, 10-15, 17, 18, 20-25, 27
X	<p>TIDWELL R R ET AL: "Diaryl amidine derivatives with one or both of the aryl moieties consisting of an indole or indole-like ring. Inhibitors of arginine-specific esteroproteases" JOURNAL OF MEDICINAL CHEMISTRY, vol. 21, no. 7, 1978, pages 613-623, XP000573913</p> <p>the whole document, particularly page 616, compound 16</p> <p>-----</p>	1-7, 9-17, 19-26, 28
X	<p>US 2 585 910 A (BARTON N ET AL) 19 February 1952 (1952-02-19)</p> <p>the whole document</p> <p>-----</p>	11-17, 20-26
X	<p>US 2 643 253 A (SWINDEN F H ET AL) 23 June 1953 (1953-06-23)</p> <p>the whole document</p> <p>-----</p>	11-17, 20-26
X	<p>VULLO D ET AL: "Carbonic anhydrase inhibitors: inhibition of the tumor-associated isozyme IX with aromatic and heterocyclic sulfonamides" BIOORGANIC AND MEDICINAL CHEMISTRY LETTERS, vol. 13, no. 6, 24 March 2003 (2003-03-24), pages 1005-1009, XP001164144</p> <p>the whole document, particularly page 1007, compound 20</p> <p>-----</p>	11-14, 16, 20-24, 26

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INTERNATIONAL SEARCH REPORT

National Application No P/GB2004/003184	
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	BANKS C K: "Arylaminoheterocycles. II. Arylaminopyrimidines" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, vol. 66, no. 7, July 1944 (1944-07), page 1131, XP002298658 the whole document -----	11-28
X	ALI A ET AL: "Design and synthesis of novel antibacterial agents with inhibitory activity against DNA polymerase III" BIOORGANIC AND MEDICINAL CHEMISTRY LETTERS, vol. 11, no. 16, 20 August 2001 (2001-08-20), pages 2185-2188, XP002298659 the whole document, particularly page 2187, table 2, compound 16 -----	11-16, 20-26
X	GHONEIM K M ET AL: "Synthesis and evaluation of some 2-, 4- and 2,4-di-substituted-6-methylpyrimidine derivatives for antimicrobial activity" JOURNAL OF THE INDIAN CHEMICAL SOCIETY, vol. 63, no. 10, October 1986 (1986-10), pages 914-917, XP000985005 the whole document, particularly compounds 6 -----	11-16, 20-26
X	US 3 464 987 A (URSPRUNG J J ET AL) 2 September 1969 (1969-09-02) the whole document, particularly column 5, compounds IVA, and example 1, part A -----	21-25
P,X	WO 03/068226 A (PHARMAGENE LABORATORIES LIMITED) 21 August 2003 (2003-08-21) the whole document -----	52-69
P,X	WO 2004/009017 A (BRISTOL-MYERS SQUIBB COMPANY) 29 January 2004 (2004-01-29) pages 73, 74, preparation 2, and pages 79, 80, preparation 7 -----	45-51
A	WO 97/44326 A (F. HOFFMANN-LA ROCHE AG) 27 November 1997 (1997-11-27) cited in the application the whole document -----	1,29,52, 71

INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB2004/003184

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 11-19, 37-43, 61 and 79 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/003184

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO 02092576	A 21-11-2002	CA 2445003 A1		21-11-2002
		EP 1392661 A1		03-03-2004
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